

#13/RCE
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PTO/SB/30 (05-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**Request
For
Continued Examination (RCE)
Transmittal**Address to:
Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Application Number	09/744,043
Filing Date	May 14, 2001
First Named Inventor	Stephen Charles Davis
Art Unit	2881
Examiner Name	Gurzo, Paul M.
Attorney Docket Number	26114.6

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.

Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. See Instruction Sheet for RCEs (not to be submitted to the USPTO) on page 2.

1. **Submission required under 37 CFR 1.114** Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

- a. ☒ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.
- i. ☐ Consider the arguments in the Appeal Brief or Rely Brief previously filed on _____
- ii. ☒ Other Supplemental Response filed on March 12, 2003
- b. ☒ Enclosed
- i. ☒ Amendment/Reply
- iii. ☒ Information Disclosure Statement (IDS)
- ii. ☐ Affidavit(s)/ Declaration(s)
- iv. ☐ Other _____

2. Miscellaneous

- a. ☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of _____ months. (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)
- b. ☐ Other _____

3. Fees

- The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.
- The Director is hereby authorized to charge the following fees, or credit any overpayments, to
- a. ☐ Deposit Account No. 08-1394
- i. ☒ RCE fee required under 37 CFR 1.17(e)
- ii. ☐ Extension of time fee (37 CFR 1.136 and 1.17)
- iii. ☐ Other _____
- b. ☒ Check in the amount of \$ 750.00 enclosed
- c. ☐ Payment by credit card (Form PTO-2038 enclosed)

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED**

Name (Print/Type)	Timothy F. Bliss	Registration No. (Attorney/Agent)	50,925
Signature	<i>Timothy F. Bliss</i>	Date	July 24, 2003

CERTIFICATE OF MAILING OR TRANSMISSION

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 or facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below.

Name (Print/Type)	Gayle Conner	Date	July 24, 2003
Signature	<i>Gayle Conner</i>		

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

1410
8/18/03
D. BEI

In re application of:
Davis et al.

Serial No. 39/744,043

Filed: May 14, 2001

For: TIME-OF-FLIGHT MASS
SPECTROMETER

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Attorney Docket No. 26114.6

Customer No. 27683

Group Art Unit: 2881

Examiner: Gurzo, Paul M.

SECOND SUPPLEMENTAL RESPONSE TO OFFICE ACTION

Mail Stop Fee Amendment
Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313

Dear Sir:

In response to the Office Action mailed February 26, 2003, and in addition to the Supplemental Response filed on March 12, 2003, please consider the following additional supplemental amendments and remarks:

08/18/2003 AJDHN501 00000005 081394 09744043

01 FC:1201 In the claims:

Please amend claims 17, 23, and 26, and add new claim 27 as follows:

17. (Amended) A time of flight mass spectrometer for measuring the m/z of ionized particles, the spectrometer comprising:

- an ion source for generating the ionized particles;
- an accelerator for accelerating the ionized particles to form an ion beam;
- first and second detectors for detecting at least some of the ionized particles from the ion beam; and
- a first reflectron for reflecting at least some of the ionized particles towards the second detector, wherein the first reflectron is disposed between the first and second detectors, and wherein the second detector is positioned so as to intercept at least a first portion of the reflected ionized particles and to permit a second portion of the reflected ionized particles to pass; and

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